MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2015/2016

TIA2221 – INFORMATION ASSURANCE AND SECURITY

(All Sections / Groups)

2nd JUNE 2016
9.00 A.M – 11.00 A.M
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 3 printed pages including cover page with 6 questions.
2. Attempt **FIVE** out of **SIX** questions. Marks and the distribution of marks for each question is given.
3. Please write all your answer in the Answer Booklet provided.

Question 1 [10 Marks]

(a) Compare Proactive with Reactive Model of Cyber Security Threat? [4 Marks]

(b) Explain software vulnerability. [3 Marks]

(c) Explain the guidelines to mitigate insider threats. [3 Marks]

Question 2 [10 Marks]

(a) List any **THREE** High Tech implementation to mitigate insider threats. [3 Marks]

(b) Give **TWO** legal considerations when dealing with data in audit trail. [4 Marks]

(c) State **THREE** types of data that we normally encrypt. [3 Marks]

Question 3 [10 Marks]

(a) Describe the functions of a Chief Information Security Officer (CISO or CSO). [2 Marks]

(b) Explain the term "Two-man control" in separation of duties. [2 Marks]

(c) State and explain **THREE** types of Incident Indicator. [6 Marks]

Question 4 [10 Marks]

(a) Describe the functions of crisis management team. [3 Marks]

(b) Describe the problem of phishing and state the solution for it. [4 Marks]

(c) Explain the function of Transport Layer Security. [3 Marks]

Continued ...

Question 5 [10 Marks]

(a) Compare Incident Response Planning and Business Continuity Planning. [3 Marks]

(b) Explain Business Recovery Plan with a diagram. [5 Marks]

(c) What happens when a process requests a new resource for the first time in Windows operating systems? [2 Marks]

Question 6 [10 Marks]

(a) State windows passwords account lockout features. [2 Marks]

(b) Explain **TWO** key elements of Digital Right Management. [4 Marks]

(c) What content license specifies? [4 Marks]

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